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# CDF Operations Report

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All Experimenters' Meeting



# Store Summary (7/05-7/11)

Store	Start Date	Duration (hours)	Inst Lum Initial e30 cm-2 s-1	Int. Lum Delivered nb-1	Live Lum nb-1	Tevatron Terminate
3661	7/18	35.1	79.3	3,549	3,164 89%	OK *
3663	7/20	32.6	97.9 <sup>+</sup>	3,863	2,993 78%	OK
3665	7/21	29.0	92.9 <sup>+</sup>	3,702	2,947 80%	Quench* (dipole trims)
3671	7/24	25.2	29.0 and 66.1	2,905	2,517 87%	OK
3674	7/25		87.5	>3,000	Just ended store...	
Total 3661-3671		122.0		14,020	11,620 83%	
FY2004 (3033-3671)	11/22/03	3,294		298,312	234,804 79%	

+ Mixed Mode Shot

•Store 3661 quenched during end-of-store study. (Silicon OK..)

•Store 3665 quench - Silicon OK



# Store Notes

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- Including store 3674, CDF accounting shows over 300 pb<sup>-1</sup> delivered in FY2004 !
- Store 3663 (78% live) - Large spike in proton losses tripped muon wire chambers and preceded failure of readout board for COT; RF trip caused high abort gap losses; TEL trip also caused proton losses (unusual).
- Store 3665 (80% live) - Proton losses too high to turn on wire chambers first 25 minutes of store; one hour of downtime while we upgraded COT gas plumbing to support Argon-Ethane-O<sub>2</sub> (as opposed to Argon-Ethane-Air)
- (Despite above, proton losses and abort gap losses were generally very good. Out biggest beam concern at moment is stores with large and/or frequent spikes in proton losses.)



# CDF STATUS

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- **CentralOuterTracker status (reverse-aging status)**
  - Currents/gains continue to stay at levels from early in run.
  - Getting reading to switch from Argon-Ethane-Air to Argon-Ethane-O<sub>2</sub>.
  - COT test chamber shows wires are probably really cleaned and not just more conductive - good news!
  - Kevin Burkett (COT group) is "guest" Operations Manager this week and promises to show a few slides on COT next week.
- Tevatron beam conditions have been generally acceptable for Silicon detectors.
- **Current trigger table has high DAQ deadtime at initial luminosities over 100E30 but deadtime less than 5% integrated over store. No complaints from CDF on the mixed-mode shots.**